

ABSTRACT OF THE DISCLOSURE

A high-strength, low-temperature-sintered ceramic composition having a structure comprising a  $\text{SrAl}_2\text{Si}_2\text{O}_8$  crystal and an  $\text{Al}_2\text{O}_3$  crystal, the  $\text{SrAl}_2\text{Si}_2\text{O}_8$  crystal being composed of hexagonal  $\text{SrAl}_2\text{Si}_2\text{O}_8$  alone or hexagonal  $\text{SrAl}_2\text{Si}_2\text{O}_8$  and monoclinic  $\text{SrAl}_2\text{Si}_2\text{O}_8$ , and a peak intensity ratio represented by  $I_{101} / (I_{101} + I_{002}) \times 100$  being 5% or more in an X-ray diffraction measurement by a Cu-K $\alpha$  line, wherein  $I_{101}$  represents a peak intensity of a (101) plane of the hexagonal  $\text{SrAl}_2\text{Si}_2\text{O}_8$ , and  $I_{002}$  represents a peak intensity of a (002) plane of the monoclinic  $\text{SrAl}_2\text{Si}_2\text{O}_8$ .